

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13 Greens		Page 1 of 6
Title: Commodity Specific Requirements for Greens		
Revision: 1	Replaces: 10/01/06	Effective: 07/01/07

1. Purpose:

To provide a listing of PDP identified required compounds for collard and/or kale greens.

2. Scope:

This standard operating procedure (SOP) shall be followed by all laboratories analyzing collard and/or kale greens for PDP. This SOP shall be used in conjunction with SOP PDP-QC-13 which specifies procedures for selecting marker compounds and process controls and identifies PDP commodity groupings.

3. References:

- PDP Program Plan July – December 2006
- USDA/AMS Combined Microbiological Data Program/PDP Technical-Quality Assurance Meeting, March 27-31, 2006, Richmond, VA
- SOP PDP-QC-13, “Required Compounds, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings”
- Pesticide Chemical News Guide (PCNG)

4. Specific Procedures:

This SOP represents minimum PDP requirements and is presented as a general guideline. Each laboratory shall have written procedures that provide specific details concerning how the procedure has been implemented in that laboratory.

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13 Greens		Page 2 of 6
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Compounds Required for Collard and/or Kale Greens Multi Residue Screens

Collard/Kale Greens Compound	Reported As	Pest Code	Priorit y
1-Naphthol		382	2
Acephate		204	1
Acetamiprid		AEU	2
Aldrin ¹		001	3
Azoxystrobin		ACX	2
Bendiocarb		658	2
BHC alpha ¹		903	3
Bifenthrin ¹		930	1
Boscalid		AEO	2
Captan ¹	Captan and/or Tetrahydrophthalimide (THPI)	011 624	3
Carbaryl		102	2
Carbendazim (MBC)		666	3
Carfentrazone ethyl		B21	4
Chlordane ¹	Chlordane cis and/or Chlordane trans or Chlordanes total	173 172 014	3
Chlorpyrifos		160	1
Cyfluthrin		781	1
Cyhalothrin	Cyhalothrin, lambda and Cyhalothrin, R157836 epimer or Cyhalothrin, total (L-cyhalothrin + R157836 epimer)	AEM AEN AEL	1
Cypermethrin		597	1
Cyprodinil		B22	3
DCPA ¹		134	3

¹ Required only on samples received by CA1 from CA and MD. Analysis by FL1 on samples received from CO, FL, MI, NY, OH, TX, WA, and WI is not required

United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program

SOP No.: PDP-QC-13 Greens		Page 3 of 6
Title: Commodity Specific Requirements for Greens		
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Collard/Kale Greens Compound	Reported As	Pest Code	Priorit y
DDD ¹	DDD o,p' and/or	909	3
	DDD p,p' or	908	
	DDD (total)	087	
DDE ¹	DDE o,p' and/or	911	3
	DDE p,p' or	910	
	DDE (total)	300	
DDT ¹	DDT o,p' and/or	907	3
	DDT p,p' or	906	
	DDT (total)	022	
Deltamethrin (includes parent tralomethrin)		612	1
Diazinon		024	1
Diazinon O-analog		395	1
Dichlorvos (DDVP)		338	1
Dieldrin ¹		028	3
Dimethoate		171	1
Dimethomorph ¹		ABE	3
Endosulfan I		900	3
Endosulfan II ¹		901	3
Endosulfan sulfate		902	3
Endrin ¹		034	3
Esfenvalerate	Fenvalerate+Esfenvalerate	ADE	1
Fenpropathrin ¹		808	1
Fludioxonil		B23	3
Fluridone		736	3
Heptachlor		044	3
Heptachlor epoxide ¹		143	3
Hexachlorobenzene		321	3
Imidacloprid		967	2
Indoxacarb		ADG	2
Malathion		052	1
Malathion O-analog		208	1

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SOP No.: PDP-QC-13 Greens		Page 4 of 6
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Collard/Kale Greens	Reported As	Pest Code	Priorit y
Compound			
Metalaxyl		607	3
Methamidophos		170	1
Methomyl		159	2
Methoxyfenozide		AES	3
Metolachlor		283	3
Myclobutanil		679	1
Napropamide		594	3
Omethoate		178	1
Pentachloroaniline ²		351	3
Pentachlorobenzene		387	3
Pentachlorophenyl methyl sulfide (PCPMS) ²		388	3
Permethrin	Permethrin cis and/or	222	1
	Permethrin trans or	223	
	Permethrin (total)	539	
Piperonyl butoxide		070	3
Prallethrin		ADC	1
Propetamphos		636	1
Pyraclostrobin		AFG	2
Pyriproxyfen ¹		B24	3
Quintozene (PCNB)		304	3
Resmethrin		556	1
Spinosad	Spinosad A and/or	ABC	3
	Spinosad D or	ABD	
	Spinosad (total)	ABB	
Spiromesifen ²		AFW	4
Tebufenozide		ABG	3
Triflumizole		A61	1
Trifluralin		151	3

² Required only on samples received by FL1 from CO, FL, MI, NY, OH, TX, WA, and WI. Analysis by CA1 on samples received from CA and MD is not required.

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13 Greens		Page 5 of 6
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6/20/07

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Revision 1

May 2007

Monitoring Programs Office

- Deleted 2,4-D; acibenzolor-S-methyl; bensulide; clethodim; cryolite; cyromazine; diquat; emamectin benzoate; EPTC; fosetyl-Al; glyphosate; hydroprene; maneb; methyl bromide; paraquat; pymetrozine; pyridate; sethoxydim; and ziram
- Removed CA1 testing requirements for pentachloroaniline, pentachlorophenyl methyl sulfide, and spiromesifen
- Removed FL1 testing requirements for aldrin, BHC alpha, bifenthrin, captan, chlordane, DCPA, DDD, DDE, DDT, dieldrin, dimethomorph, endosulfan II, endrin, fenpropathrin, heptachlor epoxide, and pyriproxyfen

Original

- Established requirements for greens based on established tolerances
- Included all pyrethroids of interest based on Dietary Assessment Working Group input